



## NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H141930

**Mode:** Highway

**Status:** Submitted

### NC-81 (Swannanoa River Road)

**From/Cross Street:** SR 3214 (Biltmore Avenue)

**Specific Improvement Type:** 1 - Widen Existing Roadway

**To:** US 74A (South Tunnel Road)

**Project Category:** Regional Impact

**Length:** 1.5

**TIP#:**

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$10,560,000

#### Description:

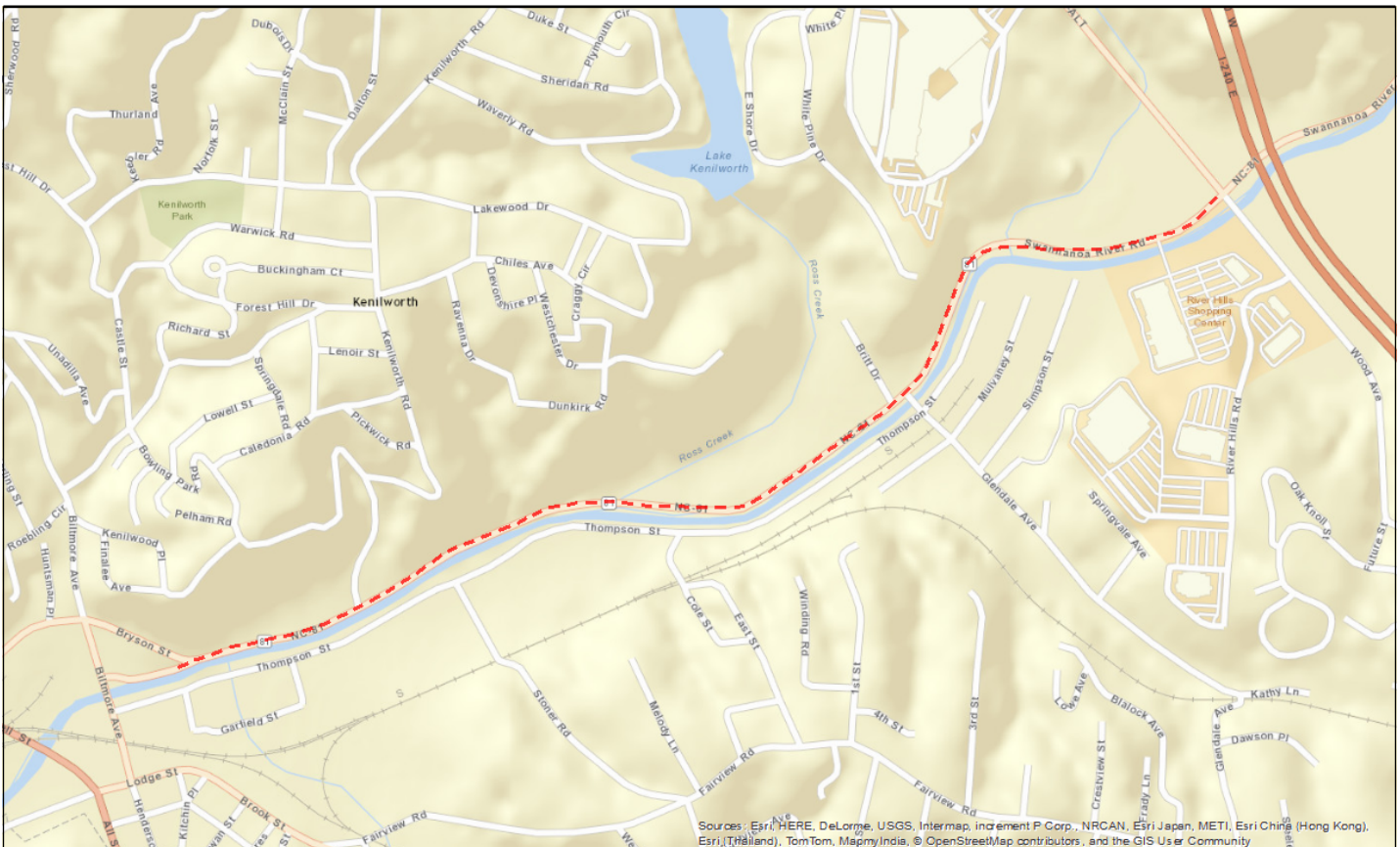
Widen roadway to add capacity.

**Division(s):** Division 13

**County(s):** BUNCOMBE

**MPOS(s)/RPO(s):** French Broad River MPO

#### Project Location



**Statewide Mobility Total Score: 0**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
<b>Totals: Weight: 0% Weighted Score: 0</b>	N/A	N/A

**Regional Impact Total Score: 19.26**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 49.82	Percent: 15%	Percent: 15%
Safety (10%) 61.56	Points: 0	Points: 0
[Travel Time] Benefit/Cost (25%) 0.99		
Accessibility / Connectivity (10%) 3.96		
<b>Totals: Weight: 70% Weighted Score: 19.26</b>		

**Division Needs Total Score: 66.32**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
[Travel Time] Benefit/Cost (20%) 0.99	Percent: 25%	Percent: 25%
Congestion (V/C) (20%) 49.82	Points: 100	Points: 100
Safety (10%) 61.56		
<b>Totals: Weight: 50% Weighted Score: 16.32</b>		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	44
Length (miles):	1.5
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	11869.13
Capacity:	15800
Volume/Capacity Ratio:	0.75
% Autos:	97%
% Trucks:	3%
Truck Volume:	356.26
Crash Density:	57.88
Crash Severity:	77.64
Critical Crash Rate:	49.18
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	16
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	91
Actual Congested Speed:	0
Travel Time Index:	

**Project Benefits**

Project Cross-Section:	3C - 2 Lane with Two Way Left Turn Lane, Curb & Gutter, Bike Lanes, and Sidewalks
Speed Limit:	45
Length (miles):	1.5
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Collector
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	500997.15
Travel Time Savings for 30 Years (Autos):	485959.4
Travel Time Savings for 30 Years (Trucks):	15037.75
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 13

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

**Project Ownership****Division**

Division	Percent	Regional Impact	Division Needs
Division 13	100%	0	100
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>100</b>

**MPO/RPO**

MPO/RPO	Percent	Regional Impact	Division Needs
French Broad River MPO	100%	0	100
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>0</b>	<b>100</b>

**Project Cost and Source**

Construction Cost:	\$7,393,000	Cost Estimation Tool
Right-of-Way Cost:	\$2,828,000	Cost Estimation Tool
Utilities Cost:	\$339,000	Cost Estimation Tool
Total Project Cost:	\$10,560,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$10,560,000</b>	